

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE CHANGE OF PHASING FOR MAINLINE MOVEMENTS ALONG MD 5 (BRANCH AVENUE) AT CURTIS DRIVE IN TEMPLE HILLS, MARYLAND. THE EXCLUSIVE PERMISSIVE LEFT TURNS WILL CHANGE TO EXCLUSIVE MOVEMENTS.

II. INTERSECTION OPERATION

1. THE INTERSECTION IS TO OPERATE IN A NEMA SIX (6) PHASE SEMI-ACTUATED MODE WITH THE NORTHBOUND AND SOUTHBOUND LEFT TURNS OPERATING IN AN EXCLUSIVE PHASE. EASTBOUND AND WESTBOUND CURTIS DRIVE SHALL OPERATE CONCURRENTLY.

NOTES

- The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly label each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

III. MAINTENANCE OF TRAFFIC

MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL

CONTACTS

DISTRICT

MR. BRIAN YOUNG
DISTRICT ENGINEER
301-513-7311

MR. VICTOR GRAFTON
ASSISTANT DISTRICT ENGINEER - UTILITIES
301-513-7350

MR. KEVIN NOWAK & MR. DUANE BERNARD
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
301-513-7336

MR. VERNON STINNETT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7304

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO./ CAT CODE	QUANTITY	UNITS	DESCRIPTION
NONE 9571	SHEET ALUMINUM SIGN 2	EA	R10-10L (24"X30") MAST ARM MOUNT

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO./	QUANTITY	UNITS	DESCRIPTION
1001	1	LS	MAINTENANCE OF TRAFFIC
8001	36	EA	12 INCH (R,Y,G) LED SIGNAL HEAD
8016	1	EA	REMOVE AND DISPOSE OF EQUIPMENT
8029	102	SF	RELOCATE EXISTING SIGN
8032	120	LF	WOOD SIGN SUPPORTS 4 INCH X 6 INCH
8046	10	SF	INSTALL OVERHEAD SIGN
8057	500	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8058	1300	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED

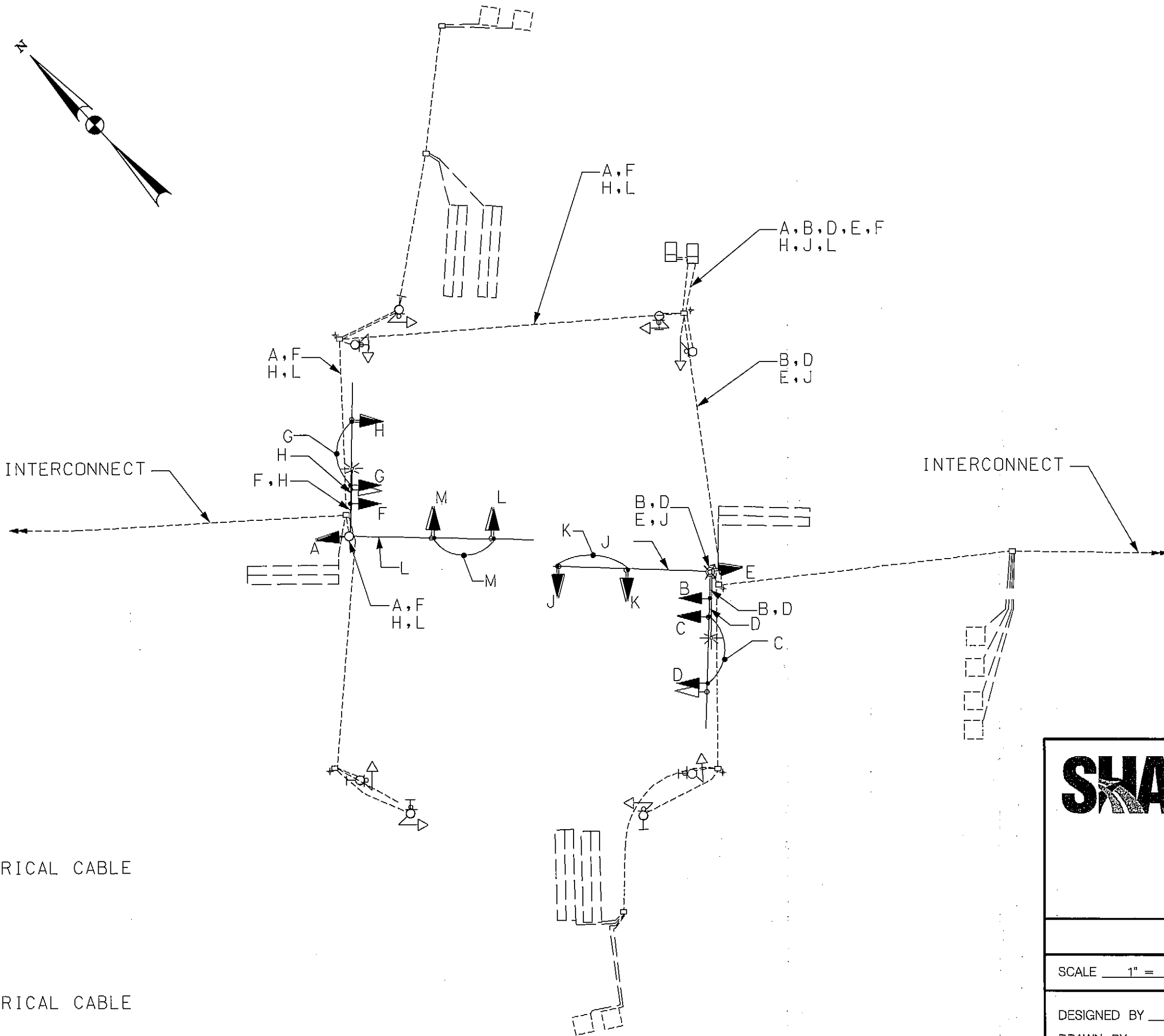
ALL REMOVED SIGNAL EQUIPMENT AND MATERIALS REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
←R→	←R→	R	R	←R→	←R→	R	R	R	R	R	R								
←Y→	←Y→	Y	Y	←Y→	←Y→	Y	Y	Y	Y	Y	Y								
←G→	←G→	G	G	←G→	←G→	G	G	G	G	G	G								

PHASE 1 AND 5	←G→	←G→	R	R	←G→	←G→	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																			
PHASE 1 AND 6	←R→	←R→	R	R	←G→	←G→	G	G	R	R	R	R	WK	DW	DW	WK	DW	DW	DW
1 AND 6 CHANGE	←R→	←R→	R	R	←Y→	←Y→	G	G	R	R	R	R	WK	DW	DW	WK	DW	DW	DW
PHASE 2 AND 5	←G→	←G→	G	G	←R→	←R→	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW
2 AND 5 CHANGE	←Y→	←Y→	G	G	←R→	←R→	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW
PHASE 2 AND 6	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	DW
PED CLEARANCE	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	DW
2 AND 6 CHANGE	←R→	←R→	Y	Y	←R→	←R→	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	←R→	←R→	R	R	←R→	←R→	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	DW
4 AND 8 CHANGE	←R→	←R→	R	R	←R→	←R→	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT.	←R→	←R→	R	R	←R→	←R→	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK	WK
PED CLEARANCE	←R→	←R→	R	R	←R→	←R→	R	R	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW	FLDW
4 AND 8 CHANGE	←R→	←R→	R	R	←R→	←R→	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/RA	FL/Y	FL/Y	FL/RA	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



KEY

- 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

STATE OF MARYLAND

DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY

TRAFFIC ENGINEERING DESIGN DIVISION

MD 5 (BRANCH AVENUE) AT CURTIS DRIVE

TEMPLE HILLS, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE APRIL 2010 CONTRACT NO. XX4496185

DESIGNED BY K.OWENS COUNTY PRINCE GEORGES

DRAWN BY K.OWENS LOGMILE 16000514.74

CHECKED BY J.PALADUGU T.I.M.S. NO. K064

F.A.P. NO. TOD NO.

TS NO. 1071F

DRAWING NO. PN0001G

SHEET NO. 2 OF 2

PLOTTED: Wednesday, April 14, 2010 AT 11:56 AM
FILE: R:\2008\73 SHA BCS 2008-05A_TEDD DESIGN_STV_VI_SSM\Task 36 MD 5 at Curtis Signal Mod\DWG\10001G_MD5@Curtis.dgn